

In the Claims

1. (Currently amended) An assembled electromotive curtain assembly in which for positioning at least a curtain is drawn or opened along a rail, comprising:

a rail for placing curtains thereto;

a curtain transferring wire coupled with the rail;

a main controller in which including a motor, and a control circuit are built, and a sensing means for detecting the position of the curtains; and

a wire driving part member fixedly received in coupled to the rail, for transferring a the wire driving member adapted to transfer the curtain transferring wire and thereby the curtains using a rotational force of a rotational shaft of a the motor, the main controller being detachably coupled to the wire driving part member and controlling positioning of the curtains using the position of the curtains detected by the sensing means.

2. (Currently amended) The assembled electromotive curtain assembly of claim 1, wherein the rail is comprised of a main rail and at least one auxiliary rail coupled to the main rail.

3. (Currently amended) The assembled electromotive curtain assembly of claim 1 or 2, wherein the wire driving part member includes a first rotational body ~~rotated~~ rotating by the wire, and the sensing means of the main controller ~~includes sensing means for sensing is adapted to detect~~ rotation of the first rotational body ~~and a moving state of the wire for the detection of the curtain position.~~

4. (Currently amended) An assembled electromotive curtain assembly in which for positioning at least a curtain ~~is drawn or opened~~ along a rail, comprising;

a rail for placing curtains thereto;

a wire driving ~~part fixedly received at~~ member coupled to one end of the rail;

a tension maintaining ~~part fixedly received at~~ member coupled to the other end of the rail;

a loop-shaped curtain transferring wire wound around the wire driving ~~part~~ member and the tension maintaining ~~part~~ member by which tension is applied, the loop-shaped curtain transferring wire having two straight lines at a horizontal transferring region of the curtains; ~~and~~

a first and second wire fixing part which is members, each of the wire fixing members fixed to each of the a corresponding straight lines line of the wire and in which having one end of the curtains is fixed affixed thereto so that the curtains ~~is~~ are drawn or opened according to movement of the wire; and

a controller having a motor, and a sensing means for detecting the position of the curtains, the controller detachably coupled to the wire driving member so as to transfer the wire for positioning of the curtains using the position of the curtains detected by the sensing means.

5. (Cancelled)

6. (Currently amended) The assembled electromotive curtain assembly of claim ~~[[5]]~~ 4, wherein the wire driving ~~part~~ member includes a rotational body ~~rotated~~ rotating by the wire, and the sensing means of the ~~main controller includes sensing means for~~

~~sensing is adapted to detect rotation of the rotational body and a stopping state of the rotational body of when the rotational body is stopped, so that the main controller performs a control operation~~ for the detection of the curtain position.

7. (Currently amended) The ~~assembled~~ electromotive curtain assembly of claim [[6]] 4, wherein the wire driving part member comprises a driving gear pulley ~~rotated by the rotational body inserted into a center portion thereof~~ rotatable by the motor to drive the wire, an auxiliary pulley for providing tension to the wire wound around the driving gear pulley, a monitoring pulley ~~rotated~~ rotatable by the wire, and a guide roller for maintaining a gap between the two lines of the wire, ~~and~~

~~the main controller comprises a rotational shaft inserted into a center portion of the driving gear pulley to be rotated by rotation of a motor, and a monitoring rotational shaft inserted into a center portion of the monitoring pulley to be rotated,~~

~~wherein the rotational shaft and the monitoring rotational shaft are protruded on a contact surface of a housing of the wire driving part.~~

8. (Currently amended) The ~~assembled~~ electromotive curtain assembly of claim 1 or 4, wherein the rail is comprised of a main rail and an auxiliary rail coupled to one end of the main rail, and the auxiliary rail has at least one cylindrical guide ~~rods~~ rod and a clip comprised of two plate type members, and the main rail is formed with a slot into which the guide rod is inserted, and the clip is fixed to a plate of the main rail by screws.

9. (New) The electromotive curtain assembly of claim 7, wherein the controller comprises a rotational shaft detachably coupled to the driving gear pulley for rotating by rotation of the motor, and a monitoring rotational shaft detachably coupled to the monitoring pulley to be rotated.

10. (New) The electromotive curtain assembly of claim 9, wherein the rotational shaft and the monitoring rotational shaft of the controller are configured to slidably fit to corresponding receiving holes of the respective driving gear pulley and monitoring pulley.
11. (New) The electromotive curtain assembly of claim 9, wherein the sensing means is adapted to detect rotation of the monitoring rotational shaft for the detection of the curtain position.
12. (New) The electromotive curtain assembly of claim 4, wherein the controller has a housing for enclosing the motor and the sensing means therein.
13. (New) The electromotive curtain assembly of claim 12, wherein the housing of the controller has a mounting element for detachable coupling to the wire driving member.
14. (New) The electromotive curtain assembly of claim 13, wherein the mounting element of the housing comprises an elastic portion.
15. (New) The electromotive curtain assembly of claim 14, wherein the wire driving member comprises a latching portion for coupling with the elastic portion of the housing.
16. (New) The electromotive curtain assembly of claim 4, wherein each of the wire fixing members comprises a reverse rotation prevention member for preventing reverse rotation of the wire wound there-around.